

<b>Interview Summary</b>	<b>Application No.</b>		<b>Applicant(s)</b>	
	10/539,858		GRIESSER ET AL.	
	<b>Examiner</b>		<b>Art Unit</b>	
	Xiuqin Sun		2863	

All participants (applicant, applicant's representative, PTO personnel):

- (1) Xiuqin Sun. (3) \_\_\_\_\_  
 (2) Craig A. Hallacher. (4) \_\_\_\_\_

Date of Interview: 02 May 2007.

Type: a) ☒ Telephonic b) ☐ Video Conference  
 c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.  
 If Yes, brief description: \_\_\_\_\_.

Claim(s) discussed: 9.

Identification of prior art discussed: \_\_\_\_\_.

Agreement with respect to the claims f) ☒ was reached. g) ☐ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Please see attached Applicant's email "10/539,858 - Amendment " dated 11/09/2006.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

  
 CAROL S.W. TSAI  
 PRIMARY EXAMINER

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

\_\_\_\_\_  
 Examiner's signature, if required

**Sun, Xiuqin**

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**From:** Craig.Hallacher@us.contiautomotive.com  
**Sent:** Wednesday, May 02, 2007 8:52 AM  
**To:** Sun, Xiuqin  
**Subject:** 10/539,858 - Amendment



AP10605-Amend  
ment1.doc

Examiner Sun,

Attached is the word document we discussed.

Thank you, (See attached file: AP10605-Amendment1.doc)

Craig Hallacher

Patent & License Specialist  
Continental Teves, Inc.  
One Continental Drive  
Auburn Hills, MI 48326  
Phone: 248-393-6518  
Fax: 248-393-8722  
craig.hallacher@us.contiautomotive.com

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: GRIESSER, Martin et al.

Int'l Application No.: PCT/EP03/013766

Int'l Filing Date: 05 December 2003

Serial No.: 10/539,858

Group Art Unit: 2863

Filed: 23 January 2006

Examiner: Sun, Xiuqin

For: Method for Improving a Tire Pressure Detection System with Indirect Measurement

Attorney Docket No.: AP10605

Mail Stop PCT  
Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

## CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8 (A))

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☒ transmitted by facsimile to the Patent and Trademark Office,  
to Examiner Sun, Xiuqin  
at 571-273-8300.

Date: March 21, 2007

Signature

Name: Craig Hallacher

AMENDMENT

Dear Sir:

This amendment is response to the Office Action mailed December 21, 2005, the current due date being March 21, 2006. Please enter the following amendment and consider the following arguments.

## **IN THE CLAIMS**

### **Claims**

1-8 Canceled

9. (Currently Amended) A method of improving a tire pressure detection system with indirect measurement, the tire pressure detection system detects tire pressure using wheel speed data, the method comprising:

determining one or more reference values, wherein the one or more reference values are dependent upon driving parameters;

producing a two-dimensional or multi-dimensional completely closed range of driving parameters, wherein the determined one or more reference values are admitted as being valid;

placing a band around an imaginary curve of the function of a first driving parameter depending on a second driving parameter; and

forming the closed range of driving parameters in a plane using the band, wherein the plane is spread out by the first driving parameter and the second driving parameter and the curve is plotted during stationary travel, wherein data input to the pressure detection system is activated or deactivated based on the driving parameters.

10. (Previously Presented) The method of claim 9, wherein the driving parameters

include a selection of two or more driving parameters from a group including: lateral acceleration; characteristic quantity for strait travel; vehicle yaw rate; vehicle lateral acceleration; wheel torque; tire torsion; slip; and vehicle speed.

11. (Previously Presented) The method of claim 10, wherein the driving parameter wheel torque is the wheel torque of a driven wheel or a quantity of corresponding behavior, with the wheel torque being determined using a rating which results from engine data and power transmission data.
12. (Previously Presented) The method of claim 10, wherein the lateral acceleration and the yaw rate are either measured by sensors or produced from wheel rotational data.
13. (Currently amended) The method of claim 10, wherein the first driving parameter is the wheel torque and the second driving parameter is the vehicle speed. further comprising:  
  
~~placing a band around an imaginary curve of the function of a first driving parameter depending on a second driving parameter, wherein the first driving parameter is the wheel torque and the second driving parameter is the vehicle speed; and~~  
  
~~forming the closed range of driving parameters in a plane using the band, wherein the plane is spread out by the first driving parameter and the second driving parameter and the curve is plotted during stationary travel.~~
14. (Previously Presented) The method of claim 13, wherein the first zone of driving parameters spreads out a plane at a defined value of the second driving parameter jointly with a third driving parameter, such as the lateral acceleration or the yaw rate, wherein a surface of the plane depends on the second driving parameter and the third driving parameter.

15. (Previously Presented) The method of claim 13, wherein the band includes a discontinuity) which expands or narrows the range of driving parameters within the range defined by the band within a range of the second driving parameter.
16. Canceled.

**REMARKS**

Claims 9-16 were pending in the application with all of the claims rejected for being directed to non-statutory subject matter. Claims 13-15 were indicated as containing subject matter that was allowable over the prior art.

Claims 9 and 13 have been amended while claim 16 was cancelled. Claim 9 was amended to add the subject matter in claim 13 that was indicated as allowable and to add that "data input to the pressure detection system is activated or deactivated based on the driving parameters." This indicates that an input of a tire pressure monitoring system is controlled by the claimed method. As indicated by the specification, this control prevents the output of false alarms that erroneously indicate that one or more tires have a low pressure. Therefore, it is believed that claim does in fact produce a tangible result and that a practical application of the claim is present. Applicants respectfully submit that claims are directed to allowable subject matter and request that the Examiner withdraw the 35 U.S.C § 101 rejection.

Claims 9-12 and 16 were rejected as being anticipated by *Gustafsson et al.*, U.S. Publication No. 20030172728. Claim 9 has been amended to add the allowable features of claim 13. Claims 10-15 depend on claim 9. Therefore, it is respectfully submitted that claims 9-15 are allowable.

**CONCLUSION**

For the foregoing reasons, Applicants respectfully submit that claims 9-15 are in condition for allowance. Accordingly, early allowance of claims 9-15 is earnestly submitted.

If the Examiner believes that a conference would be of value in expediting the prosecution of the Application, the Examiner is hereby invited to contact the undersigned agent to set up such conference.

Respectfully submitted,

---

Craig A. Hallacher  
Registration No. 54,896  
Continental Teves, Inc.  
One Continental Drive  
Auburn Hills, MI 48326  
(248) 393-6518  
Agent for Applicants



**DETAILED ACTION**

**EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with attorney Craig A. Hallacher on 05/02/2007.

Replace the Claim 9 with the following:

--Claim 1 (Currently Amended) A method of improving a tire pressure detection system with indirect measurement, the tire pressure detection system detects tire pressure using wheel speed data, the method comprising:

determining one or more reference values, wherein the one or more reference values are dependent upon driving parameters;

producing a two-dimensional or multi-dimensional completely closed range of driving parameters, wherein the determined one or more reference values are admitted as being valid;

placing a band around an imaginary curve of the function of a first driving parameter depending on a second driving parameter; and

forming the closed range of driving parameters in a plane using the band, wherein the plane is spread out by the first driving parameter and the second driving parameter and the curve is plotted during stationary travel, wherein data

input to the pressure detection system is activated or deactivated based on the driving parameters.--

***Allowable Subject Matter***

2. Claims 9-15 are allowed.

***Reasons for Allowance***

3. The following is an examiner's statement of reasons for allowance:

Please see previous office action dated on 12/21/2006 and applicant's responses with respect to claims 9-15 received on 03/21/2007 for reasons for allowance.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Contact Information***

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Xiuqin Sun whose telephone number is (571)272-2280. The examiner can normally be reached on 6:30am-4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Barlow can be reached on (571)272-2269. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2863

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

XS

May 2, 2007

Sun, Xiuqin

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Fax: 248-393-8722  
craig.hallacher@us.contiautomotive.com

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Date: March 21, 2007

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